

(ii) yield a pressurized hydrogen rich raw gas containing coal-derived cancer causing distillates and hydrocarbons together with a hot char; directing the pressurized hydrogen rich raw gas in such a way as to emerge from the discharging end of said chamber; cracking the coal-derived cancer causing distillates and hydrocarbons contained in the hydrogen rich raw gas to make a first hydrogen rich cracked gas; directing the hot char to a slagging gasifier which is sealed to the atmosphere and gasifying same to make a second gas and a molten slag; removing said slag from the system; and cleaning said first gas and said second gas to provide clean gases for useful applications.

#### REMARKS

Applicants have amended the claims by adding new claim 39. Claims 1-39 are currently pending in the subject application.

Favorable consideration of the application as amended is respectfully requested.

Respectfully submitted,



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